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## Indoor and Outdoor Positioning in Mobile Environments— a Review and some Investigations on WLAN-Positioning

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### Abstract

This paper reviews existing indoor and outdoor positioning technologies for mobile users, including GPS and its extensions, wireless communication-networks and others. Accuracy and limitations of these technologies and methods are examined in more detail. Furthermore, results of own investigations concerning Wireless LAN are presented.

### Keywords

Positioning, GPS, WLAN, GSM, Mobile Computing

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